Contents

VOLUME 35 NUMBER 1

1 *A. Stein, S. Levy and G. Loebenstein.* Detection of prunus necrotic ringspot virus in several rosaceous hosts by enzyme-linked immunosorbent assay

5 *J. G. Harrison and R. Lowe.* Wind dispersal of conidia of *Botrytis* spp. pathogenic to *Vicia faba*

16 *S. J. Mylchreest and B. E. J. Wheeler.* A method for inducing apothecia from sclerotia of *Sclerotinia sclerotiorum*

21 *J. R. Godwin, J. W. Mansfield and P. Darby.* Microscopical studies of resistance to powdery mildew disease in the hop cultivar Wye Target

33 *J. A. Duthie and R. Hall.* Transmission of *Fusarium graminearum* from seed to stems of winter wheat

38 *J. Yu and Y. Liu.* The occurrence of three viruses in hop (*Humulus lupulus*) in China

45 *C. P. A. Bennett, P. Jones and P. Hunt.* Isolation, culture and ultrastructure of a xylem-limited bacterium associated with Sumatra disease of cloves

53 *K. E. Hammond and B. G. Lewis.* Variation in stem infections caused by aggressive and non-aggressive isolates of *Leptosphaeria maculans* on *Brassica napus* var. *oleifera*

66 *M. J. C. Asher and C. E. Thomas.* The inheritance of mechanisms of partial resistance to *Erysiphe graminis* in spring barley

73 *P. L. Catherall.* Effects of barley yellow dwarf and ryegrass mosaic viruses alone and in combination on the productivity of perennial and Italian ryegrasses

79 *D. L. Tomlinson and P. G. Cox.* A new disease of cardamom (*Elettaria cardamomum*) caused by *Erwinia chrysanthemi* in Papua New Guinea

84 *M. W. Shaw and D. J. Royle.* Spatial distribution of *Septoria nodorum* and *S. tritici* within crops of winter wheat

95 *D. G. Rose, S. McCarra and D. H. Mitchell.* Diagnosis of potato virus Y^N: a comparison between polyclonal and monoclonal antibodies and a biological assay

100 *M. J. Morris.* Biology of the *Acacia* gall rust, *Uromycladium tepperianum*

107 *G. Welz and J. Kranz.* Effects of recombination on races of a barley powdery mildew population

New or unusual records

114 *J. M. Harrison.* Observations on the occurrence of telia of *Puccinia porri* on leeks in the UK

116 Book reviews

VOLUME 36 NUMBER 2

119 *M. I. Mohamed Ali, M. Balasundaran and S. K. Ghosh.* Symptom remission in spiked sandal trees by infusion of tetracycline antibiotics

125 *H. G. Smith and J. A. Hinckes.* Studies of the distribution of yellowing viruses in the sugar beet root crop from 1981 to 1984

135 *K. E. Hammond and B. G. Lewis.* The establishment of systemic infection in leaves of oilseed rape by *Leptosphaeria maculans*

148 *P. L. Catherall and A. L. Parry.* Effects of barley yellow dwarf virus on some varieties of Italian, hybrid and perennial ryegrasses and their implication for grass breeders

154 *P. Hunt, C. P. A. Bennett, H. Syamsu and E. Nurwenda.* Sumatra disease in cloves induced by a xylem-limited bacterium following mechanical inoculation

164 *H. A. Hobbs, D. V. R. Reddy and A. S. Reddy*. Detection of a mycoplasma-like organism in peanut plants with witches' broom using indirect enzyme-linked immunosorbent assay (ELISA)

168 *H. Chen and S. S. Korban*. Genetic variability and the inheritance of resistance to cedar-apple rust in apple

175 *N. G. Nair, R. W. Emmett and F. E. Parker*. Programming applications of dicarboximides to control bunch rot of grapes caused by *Botrytis cinerea*

180 *J. T. Fletcher, W. A. Wallis and F. Davenport*. Pepper yellow vein, a new disease of sweet peppers

185 *V. S. Pundhir and A. N. Mukhopadhyay*. Epidemiological studies on cercospora leaf spot of sugar beet

192 *G. W. Storey and K. Evans*. Interactions between *Globodera pallida* juveniles, *Verticillium dahliae* and three potato cultivars, with descriptions of associated histopathologies

201 *M. W. Shaw*. Assessment of upward movement of rain splash using a fluorescent tracer method and its application to the epidemiology of cereal pathogens

New or unusual records

214 *V. Lisa and G. Dellavalle*. Bean yellow mosaic virus in *Lisianthus russelianus*

216 *J. M. Whipps and C. A. Linfield*. Occurrence of oospores of *Peronospora grisea* on *Hebe* species in West Sussex

219 *A. R. Chase*. Leaf and petiole rot of *Ficus lyrata* cv. Compacta caused by *Pseudomonas cichorii*

222 *C. A. Linfield*. Cobweb disease of carnations— a new disease of imported flowers

224 *C. Hiruki*. Recovery and identification of tobacco stunt virus from air-dried resting spores of *Olpidium brassicae*

229 *D. J. Barbara, S. C. Ashby and A. Morton*. Double-stranded RNA in *Verticillium albo-atrum*

233 Book reviews

VOLUME 36 NUMBER 3

Letter to the editor

239 *C. R. Wellings, R. A. MacIntosh and J. Walker. Puccinia striiformis* f. sp. *tritici* in Eastern Australia—possible means of entry and implications for plant quarantine

242 *O. Ziv and R. A. Frederiksen*. The effect of film-forming anti-transpirants on leaf rust and powdery mildew incidence on wheat

246 *J. R. Coley-Smith, R. A. Reese and N. I. Georgy*. Differential stimulation of *Sclerotium cepiorum* by cultivars of onion and its effect on white rot disease

258 *T. M. O'Neill and G. W. Griffin*. Effect of fosetyl aluminium and captafol on red core disease and fruit yield of established strawberries

264 *C. J. Williamson*. Assessment of resistance to *Plasmodiophora brassicae* in swedes

276 *J. M. Duncan, D. M. Kennedy and E. Seemüller*. Identities and pathogenicities of *Phytophthora* spp. causing root rot of red raspberry

290 *K. Gallimore, I. K. Knights and G. Barnes*. Sensitivity of *Pseudocercosporella herpotrichoides* to the fungicide prochloraz

297 *I. R. Crute, J. M. Norwood and P. L. Gordon*. The occurrence, characteristics and distribution in the United Kingdom of resistance to phenylamide fungicides in *Bremia lactucae* (lettuce downy mildew)

316 *T. Naiki and G. R. Dixon*. The effects of chemicals on developmental stages of *Plasmodiophora brassicae* (clubroot)

328 *G. C. MacNish and R. L. Dodman*. Vertical distribution of root damage caused by *Rhizoctonia solani* in wheat

333 *J. Kimpinski, H. W. Johnston and R. A. Martin.* Influence of aldicarb on root lesion nematodes, leaf disease and root rot in wheat and barley

339 *C. M. E. Garrett.* The effect of crown gall on growth of cherry trees

346 *P. L. Newman and D. J. Bailey.* Screening for resistance to canker (*Leptosphaeria maculans*) in winter oilseed rape (*Brassica napus* ssp. *oleifera*)

355 *C. Prior.* Chemical control of vascular-streak dieback disease of cocoa in Papua New Guinea

361 *J. Fagg and J. T. Fletcher.* Studies of the epidemiology and control of tomato stem rot caused by *Didymella lycopersici*

367 *N. Ioannou.* Cultural management of tomato yellow leaf curl disease in Cyprus

374 *E. J. Cother.* A note on the use of Merckoquant test strips for detection of nitrate reduction in plant pathogenic bacteria

377 *R. Sdoodee and D. S. Teakle.* Transmission of tobacco streak virus by *Thrips tabaci*: a new method of plant virus transmission

381 *C. A. Dolby and R. A. C. Jones.* Occurrence of the Andean strain of potato virus S in imported potato material and its effects on potato cultivars

389 *J. S. Cole and Z. Zvenyika.* Triadimenol drenches and residues in tobacco seedbeds improve growth and disease control in transplants

394 *M. M. Jordan, R. B. Maude and R. T. Burchill.* Investigation of the host ranges of the leaf blotch pathogens of onion (*Cladosporium allii-cepae*) and leek (*C. allii*)

398 *S. F. Carnegie, J. W. Adam and A. M. Cameron.* Spread of *Phoma exigua* var. *foveata* to healthy potato plants

New or unusual records

407 *I. C. Rumbos.* Cytospora canker on pear trees in Greece

411 *C. E. Sansford, J. R. Coley-Smith and D. Parfitt. Sporidesmium sclerotivorum* on sclerotia of *Sclerotinia*

413 *D. Brayford and A. U. Chapman. Cylindrocladium ilicola* on cuttings of evergreen ornamental shrubs in the UK

415 *H. Singh and R. R. Frost.* Is celery yellow net caused by parsnip yellow fleck virus?

417 *K. Matsuoka and M. G. Carvalho.* Mycoplasma-like organisms associated with kaki decline in Brazil

420 *D. M. Kennedy.* Verticillium wilt of sea buckthorn (*Hippophae rhamnoides*)

423 Book reviews

VOLUME 36 NUMBER 4

431 **British Society for Plant Pathology Presidential Address 1986**
B. E. J. Wheeler. Plant pathology in a developing world

438 *J. A. Lewis and G. C. Papavizas.* Application of *Trichoderma* and *Gliocladium* in alginate pellets for control of *Rhizoctonia* damping-off

447 *Rita Fedel-Moen and J. R. Harris.* Stratified destribution of *Fusarium* and *Bipolaris* on wheat and barley with dryland root rot in South Australia

455 *L. R. Potter.* Effect of crown rust on regrowth, competitive ability and nutritional quality of perennial and Italian ryegrasses

462 *C. M. Brasier and J. F. Webber.* Positive correlations between *in vitro* growth rate and pathogenesis in *Ophiostoma ulmi*

467 *D. B. Redfern, J. T. Stoakley, H. Steele and D. W. Minter.* Dieback and death of larch caused by *Ceratocystis laricicola* sp. nov. following attack by *Ips cembrae*

481 *G. B. Wildermuth and R. B. McNamara.* Susceptibility of winter and summer crops to root and crown infection by *Bipolaris sorokiniana*

492 *H. J. Vetten, D. E. Lesemann and D. J. Allen.* Occurrence of potyvirus infections in black bryony (*Tamus communis*) in Devon, UK

499 *B. F. Farrara, T. W. Ilott and R. W. Michelmore.* Genetic analysis of factors for resistance to downy mildew (*Bremia lactucae*) in species of lettuce (*Lactuca sativa* and *L. serriola*)

515 *S. A. Rudgard and D. R. Butler.* Witches' broom disease on cocoa in Rondonia, Brazil: pod infection in relation to pod susceptibility, wetness, inoculum, and phytosanitation

523 *S. A. Rudgard.* Witches' broom disease of cocoa in Rondonia, Brazil: infection of vegetative flushes and flower cushions in relation to host phenology

531 *J. F. Webber.* Influence of the d^2 factor on survival and infection by the Dutch elm disease pathogen *Ophiostoma ulmi*

539 *H. Singh, J. Kumar, J. B. Smithson and M. P. Haware.* Complementation between genes for resistance to race 1 of *Fusarium oxysporum* f.sp. *ciceri* in chickpea

544 *E. Dumas, S. Gianinazzi and A. Cornu.* Genetic aspects of polyacrylic-acid-induced resistance to tobacco mosaic virus and tobacco necrosis virus in *Nicotiana* plants

551 *A. M. E. Cloud and B. J. Deverall.* Induction and expression of systemic resistance to the anthracnose disease in bean

558 *R. Cohen, O. Yarden, J. Katan, J. Riov and N. Lisker.* Paclobutrazol and other growth-retarding chemicals increase resistance of melon seedlings to fusarium wilt

565 *A. E. Osbourn, C. E. Caten and P. R. Scott.* Adaptation of *Septoria nodorum* to wheat or barley on detached leaves

577 *W. C. Wong and T. F. Preece.* Sources of *Verticillium fungicola* on a commercial mushroom farm in England

583 *A. Th. B. Rast and C. C. M. M. Stijger.* Disinfection of pepper seed infected with different strains of capsicum mosaic virus by trisodium phosphate and dry heat treatment

589 *T. Locke, L. M. Moon and J. Evans.* Survey of benomyl resistance in *Fusarium* species on winter wheat in England and Wales in 1986

594 *J. R. Coley-Smith, D. Parfitt, I. M. Taylor and R. A. Reese.* Studies of dormancy in sclerotia of *Sclerotium cepivorum*

New or unusual records

600 *D. J. Vakalounakis and N. E. Malathrakis.* Occurrence of *Uromyces savulescui* on statice (*Limonium sinuatum*) in Crete, Greece

602 *I. C. Rumbos.* Twig and branch dieback of walnut trees induced by *Botryosphaeria ribis*

606 *D. D. Slawson.* Occurrence of *Verticillium dahliae* on various woody ornamental hosts

608 *D. C. Harris and D. L. Davies.* A disease of *Vinca rosea* caused by *Rhizopus stolonifer*

610 *M. J. Adams, A. G. Swaby and P. Jones.* Occurrence of two strains of barley yellow mosaic virus in England

613 Book reviews